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*Frank C. Eisenschenk*

Frank C. Eisenschenk, Ph.D., Patent Attorney

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT

Examining Group 1645

Patent Application

Docket No. UF-387

Serial No. 10/696,019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Unknown  
Art Unit : 1645  
Applicants : Arthur Rick Alleman, Anthony F. Barbet  
Serial No. : 10/696,019  
Filed : October 28, 2003  
Conf. No. : 7481  
For : Polynucleotides and Polypeptides of Anaplasma Phagocytophilum and Methods of Using the Same

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97, AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed; however, Applicants have not submitted copies of U.S. patents or published U.S. Applications cited on attached Form PTO/SB/08 pursuant to 37 CFR 1.98(a)(2)(ii).

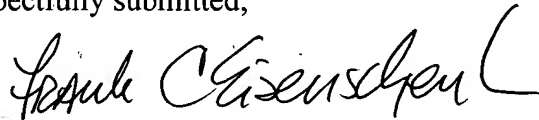
This information is being submitted prior to the mailing of a first office action on the merits.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks.

If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicant(s) respectfully assert(s) that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,



Frank C. Eisenschenk, Ph.D.

Patent Attorney

Registration No. 45,332

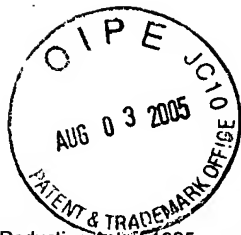
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Gainesville, FL 32614-2950

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Attachments: Form PTO/SB/08  
Copies of references cited



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/696,019
				Filing Date	October 28, 2003
				First Named Inventor	Arthur Rick Alleman
				Art Unit	1645
				Examiner Name	Unknown
Sheet	1	of	6	Attorney Docket Number	UF-387

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-6,524,825	02-25-2003	Stressgen Biotechnologies, Inc.	All
	U2	US-6,419,931	07-16-2002	Epimmune Inc.	All
	U3	US-6,417,337	07-09-2002	The Dow Chemical Co.	All
	U4	US-6,342,362	01-29-2002	Mytelka, Daniel S.	All
	U5	US-6,319,691	11-20-2001	USA Universe Bioengineering, Inc.	All
	U6	US-6,277,375	08-21-2001	Board of Regents, The University of Texas System	All
	U7	US-6,121,424	09-19-2000	Enzon, Inc.	All
	U8	US-5,990,275	11-23-1999	Enzon, Inc.	All
	U9	US-5,843,464	12-01-1998	Ohio State University	All
	U10	US-5,750,352	05-12-1998	Johns Hopkins University	All
	U11	US-5,726,010	03-10-1998	IDEXX Laboratories, Inc.	All
	U12	US-5,712,170	01-27-1998	Oy Medix Biochemica AB	All
	U13	US-5,643,570	07-01-1997	XOMA Corporation	All
	U14	US-5,565,335	10-15-1996	Genentech, Inc.	All
	U15	US-5,183,740	02-02-1993	United States of America as represented by Secretary of the Navy	All
	U16	US-4,816,567	03-28-1989	Genentech, Inc.	All
	U17	US-4,738,846	04-19-1988	The Salk Institute for Biological Studies	All

Examiner Signature		Date Considered	
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Sheet	2	of	6	Attorney Docket Number	UF-387

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		Number - Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	F1	EP 0 404 097 B1	06-20-1990	Behringwerke <i>et al.</i>	All	
	F2	WO 93/11161	06-10-1993	Enzon, Inc.	All	

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

6

Application Number	10/696,019
Filing Date	October 28, 2003
First Named Inventor	Arthur Rick Alleman
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	UF-387

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	ALTENDORF <i>et al.</i> (1999) "Structure and function of the F <sub>0</sub> complex of the ATP synthase from <i>Escherichia coli</i> " <i>J. Exp. Biol.</i> 203:19-28.	
	R2	ALTSCHUL <i>et al.</i> (1990) "Basic local alignment search tool" <i>J. Mol. Biol.</i> 215(3):403-410.	
	R3	ALWINE, <i>et al.</i> (1977) "Method for detection of specific RNAs in agarose gels by transfer to diazobenzyloxymethyl-paper and hybridization with DNA probes" <i>Proc. Natl. Acad. Sci.</i> 74:5350-5354.	
	R4	BENOIST AND CHAMBON. (1981) "In vivo sequence requirements of the SV40 early promoter region" <i>Nature</i> 290:304-310.	
	R5	BERCHTOLD, <i>et al.</i> , (1989) "A simple method for direct cloning and sequencing cDNA by the use of a single specific oligonucleotide and oligo (dT) in a polymerase chain reaction (PCR)" <i>Nuc. Acids. Res.</i> 17(1):453.	
	R6	BIANCHI <i>et al.</i> (1997) "Biosensor technology and surface plasmon resonance for real-time detection of HIV-1 genomic sequences amplified by polymerase chain reaction" <i>Clin. Diagn. Virol.</i> , 8:199-208.	
	R7	BRINSTER <i>et al.</i> (1982) "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs" <i>Nature</i> 296:39-42.	
	R8	CLACKSON <i>et al.</i> (1991) "Making antibody fragments using phage display libraries" <i>Nature</i> 352: 624-628.	
	R9	DE BOER, <i>et al.</i> (1983) "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 80:21-25.	
	R10	EINHAUER <i>et al.</i> (2001) "The FLAG <sup>TM</sup> peptide, a versatile fusion tag for the purification of recombinant proteins" <i>J. Biochem Biophys Methods</i> 49:455-465.	
	R11	GARDNER, <i>et al.</i> (1981) "The complete nucleotide sequence of an infectious clone of cauliflower mosaic virus by M13mp7 shotgun sequencing" <i>Nucl. Acids Res.</i> 9:2871-2888.	
	R12	GISH AND STATES (1993) "Identification of protein coding regions by database similarity search" <i>Nature Genetics</i> 3:266-272.	

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			Filing Date	October 28, 2003	
			First Named Inventor	Arthur Rick Alleman	
			Group Art Unit	1645	
			Examiner Name	Unknown	
Sheet	4	of	6	Attorney Docket Number	UF-387

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R13	HERRERA-ESTRELLA <i>et al.</i> (1983) "Expression of chimaeric genes transferred into plant cells using a Ti-plasmid-derived vector" <i>Nature</i> 303:209-213.	
	R14	HERRERA-ESTRELLA <i>et al.</i> (1984) "Light-inducible and chloroplast-associated expression of a chimaeric gene introduced into <i>Nicotiana tabacum</i> using a Ti plasmid vector" <i>Nature</i> 310:115-120.	
	R15	HOLLIGER <i>et al.</i> (1993) "Diabodies" Small bivalent and bispecific antibody fragments" <i>Proc. Natl. Acad. Sci. USA</i> 90:6444-6448.	
	R16	JONES <i>et al.</i> (1995) "Current trends in molecular recognition and bioseparation" <i>J. Chromatog. A</i> 707:3-22.	
	R17	KOHLER AND MILSTEIN (1975) "Continuous cultures of fused cells secreting antibody of predefined specificity" <i>Nature</i> 256:495-497.	
	R18	KUSTERBECK <i>et al.</i> (1990) "A continuous flow immunoassay for rapid and sensitive detection of small molecules" <i>J. Immunol. Methods</i> 135:191-197.	
	R19	MARGOLIN (2000) "Green fluorescent protein as a reporter for macromolecular localization in bacterial cells" <i>Methods</i> 20:62-72.	
	R20	MARKS <i>et al.</i> (1991) "By-passing immunization. Human antibodies from V-gene libraries displayed on phage" <i>J. Mol. Biol.</i> 222: 581-597.	
	R21	MELTON, <i>et al.</i> (1984) "Efficient <i>in vitro</i> synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" <i>Nuc. Acids Res.</i> 12:7035-7056.	
	R22	MORRISON <i>et al.</i> (1984) "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains" <i>Proc. Natl. Acad. Sci. USA</i> 81: 6851-6855.	
	R23	PEARSON AND LIPMAN (1988) "Improved tools for biological sequence comparison" <i>Proc. Natl. Acad. Sci. USA</i> 85(8):2444-2448.	
	R24	PUIG <i>et al.</i> (2001) "The tandem affinity purification (TAP) method: A general procedure of protein complex purification" <i>Methods</i> 24:218-29.	

Examiner Signature	Date Considered
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Sheet	5	of	6	Attorney Docket Number	UF-387

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	R25	SAMBROOK <i>et al.</i> (1989) "Analysis and Cloning of Eukaryotic Genomic DNA" IN: <i>Molecular Cloning. A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Press, New York, NY, pp. 9.47-9.57.		
	R26	SCHENA <i>et al.</i> (1995) "Quantitative monitoring of gene expression patterns with a complementary DNA microarray" <i>Science</i> 270:467-470.		
	R27	SCHENA <i>et al.</i> (1996) "Genome analysis with gene expression microarrays" <i>BioEssays</i> 18:427-431.		
	R28	SCHENA <i>et al.</i> (1996) "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 93:10614-10619.		
	R29	SKERRA <i>et al.</i> (1999) "Applications of a peptide ligand for streptavidin: The <i>Strep</i> -tag" <i>Biomolecular Engineering</i> 16:79-86.		
	R30	SUTTER <i>et al.</i> (1994) "A recombinant vector derived from the host range-restricted and highly attenuated MVA strain of vaccinia virus stimulates protective immunity in mice to influenza virus" <i>Vaccine</i> 12(11):1032-1040.		
	R31	THOMPSON <i>et al.</i> (1994) "CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighing, position-specific gap penalties and weight matrix choice" <i>Nucleic Acids Res.</i> 22(2):4673-4680.		
	R32	VILLA-KAMAROFF <i>et al.</i> (1978) "A bacterial clone synthesizing proinsulin" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 75:3727-3731.		
	R33	WAGNER <i>et al.</i> (1981) "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 78:1441-1445.		
	R34	WEI <i>et al.</i> (1983) "Isolation and comparison of two molecular species of the BAL 31 nuclease from <i>Alteromonas espejiana</i> with distinct kinetic properties" <i>J. Biol. Chem.</i> 258:13506-13512.		
	R35	YAMAMOTO <i>et al.</i> (1980) "Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus" <i>Cell</i> 22:787-797.		
	R36	ZAPATA <i>et al.</i> (1995) "Engineering linear F(ab') <sub>2</sub> fragments for efficient production in <i>Escherichia coli</i> and enhanced antiproliferative activity" <i>Protein Eng.</i> 8(10):1057-1062.		
	R37	SASSENFELD (1990) "Engineering proteins for purification" <i>TibTech</i> 8:88-93.		

Examiner Signature		Date Considered	
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	R38	SMITH (1998) "Cookbook for eukaryotic protein expression: Yeast, insect, and plant expression systems" <i>The Scientist</i> 12(22):20.	
	R39	UNGER (1997) "Show me the money: Prokaryotic expression vectors and purification systems" <i>The Scientist</i> 11(17):20.	
	R40	KUSTERBECK <i>et al.</i> (1990) "Antibody-Based Biosensor for Continuous Monitoring" IN: <i>Biosensor Technology, Fundamentals and Applications</i> , R. P. Buck <i>et al.</i> , eds., Marcel Dekker, New York, NY, pp. 345-350.	
	R41	LIGLER <i>et al.</i> (1992) "Drug Detection Using the Flow Immunosensor" IN: <i>Biosensor Design and Application</i> , J. Findley <i>et al.</i> , eds., American Chemical Society Press, Washington, D.C., pp. 73-80.	
	R42	OGERT <i>et al.</i> (1992) "Detection of cocaine using the flow immunosensor" <i>Analytical Letters</i> 25:1999-2019.	
	R43	<i>Monoclonal Antibodies: Principles and Practice, Production and Application of Monoclonal Antibodies in Cell Biology, Biochemistry and Immunology</i> (1983), J.W. Goding ed., Academic Press, New York, NY.	
	R44	<i>Monoclonal Hybridoma Antibodies: Techniques and Applications</i> (1982), J.G.R. Hurrell, ed., CRC Press, Boca Raton, FL.	
	R45	<i>Selected Methods in Cellular Immunology</i> (1980), B.B. Mishell <i>et al.</i> , eds., W.H. Freeman and Company, San Francisco, CA.	
	R46	<i>Immunological Methods, Volume II</i> (1981), I. Lefkovits and B. Pernis, eds., Academic Press, Inc., New York, NY.	
	R47	<i>Practical Immunology, Second Edition</i> (1980), L. Hudson and F.C. Hay, eds., Blackwell Scientific Publications, London.	
	R48	PIETU <i>et al.</i> (1996) "Novel gene transcripts preferentially expressed in human muscles revealed by quantitative hybridization of a high density cDNA array" <i>Genome Research</i> 6:492-503.	
	R49	BANEYX, F. (1999) "Recombinant protein expression in <i>Escherichia coli</i> " <i>Curr. Opin. Biotechnol.</i> 10:411-421.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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